



Attorney Docket No. 14643-009030

DECLARATION AND POWER OF ATTORNEY

COPY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **TRANSGENIC NON-HUMAN ANIMALS FOR PRODUCING HETEROLOGOUS ANTIBODIES** the specification of which ___ is attached hereto or X was filed on December 2, 1996 as Application No. 08/758,417 and was amended on ___ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
PCT	PCT/US91/06185		Yes <u>X</u> No _
PCT	PCT/US92/10983		Yes <u>X</u> No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/728,463	10/10/96	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/544,404	10/10/95	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/352,322	12/07/94	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/209,741	03/09/94	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/165,699	12/10/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/161,739	12/03/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/155,301	11/18/93	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
08/096,762	07/22/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/053,131	04/26/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/990,860	12/16/92	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/904,068	06/23/92	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/853,408	03/18/92	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/810,279	12/17/91	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/575,962	08/31/90	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
07/574,748	08/29/90	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned


POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Randolph T. Apple, Reg. No. 36,429
William M. Smith, Reg. No. 30,233
Joe Liebeschuetz, Reg. No. 37,505

Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Randolph T. Apple Reg. No.: 36,429 Telephone: 415-326-2400
--	--

Full Name of Inventor 1	Last Name LONBERG	First Name NILS	Middle Name or Initial	
Residence & Citizenship	City Redwood City	State/Foreign Country California	Country of Citizenship U.S.A.	
Post Office Address	Post Office Address 930 Edgecliff Way	City Redwood City	State/Country CA	Zip Code 94061
Full Name of Inventor 2	Last Name KAY	First Name ROBERT	Middle Name or Initial M.	
Residence & Citizenship	City San Francisco	State/Foreign Country California	Country of Citizenship U.K.	
Post Office Address	Post Office Address 2127 Broadway #5	City San Francisco	State/Country CA	Zip Code 94115
Full Name of Inventor 3	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  NILS LONBERG	Signature of Inventor 2 ROBERT M. KAY	Signature of Inventor 3
Date 3-18-97	Date	Date



Attorney Docket No. 14643-009030

DECLARATION AND POWER OF ATTORNEY

COPY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **TRANSGENIC NON-HUMAN ANIMALS FOR PRODUCING HETEROLOGOUS ANTIBODIES** the specification of which ___ is attached hereto or X was filed on December 2, 1996 as Application No. 08/758,417 and was amended on ___ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
PCT	PCT/US91/06185		Yes <u>X</u> No _
PCT	PCT/US92/10983		Yes <u>X</u> No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/728,463	10/10/96	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/544,404	10/10/95	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/352,322	12/07/94	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/209,741	03/09/94	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/165,699	12/10/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/161,739	12/03/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/155,301	11/18/93	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
08/096,762	07/22/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/053,131	04/26/93	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/990,860	12/16/92	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/904,068	06/23/92	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/853,408	03/18/92	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/810,279	12/17/91	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/575,962	08/31/90	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
07/574,748	08/29/90	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Randolph T. Apple, Reg. No. 36,429

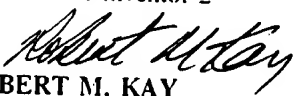
William M. Smith, Reg. No. 30,233

Joe Liebeschuetz, Reg. No. 37,505

Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Randolph T. Apple Reg. No.: 36,429 Telephone: 415-326-2400
---	--

Full Name of Inventor 1	Last Name LONBERG	First Name NILS	Middle Name or Initial	
Residence & Citizenship	City Redwood City	State/Foreign Country California	Country of Citizenship U.S.A.	
Post Office Address	Post Office Address 930 Edgecliff Way	City Redwood City	State/Country CA	Zip Code 94061
Full Name of Inventor 2	Last Name KAY	First Name ROBERT	Middle Name or Initial M.	
Residence & Citizenship	City San Francisco	State/Foreign Country California	Country of Citizenship U.K.	
Post Office Address	Post Office Address 2127 Broadway #5	City San Francisco	State/Country CA	Zip Code 94115
Full Name of Inventor 3	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and th lik so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 NILS LONBERG	Signature of Inventor 2  ROBERT M. KAY	Signature of Inventor 3
Date	Date 3/17/97	Date